

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] GEN FROM 4792061012.01  
[TESTLAB] UL, LLC  
[ISSUE DATE] 2025-12-23  
[TEST DATE] 12/12/2025  
[MANUFAC] WILLIAMS INDOOR  
[OTHER] H.E. WILLIAMS, INC. - CARTHAGE, MO.  
[LUMCAT] 75W-4-L50-850-HE-DIM-UNV  
[LUMINAIRE] 75W WIDE LENS LED STRIP LUMINAIRE  
[LAMP] LED  
[BALLAST] 0-10V DIMMING DRIVER

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	5151
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	193
Total Luminaire Watts	26.7
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.30
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	3.71 ft
Luminous Width (90-270)	0.33 ft
Luminous Height	0.08 ft

### LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11301	10123	10023
55	9786	8666	8799
65	8226	7422	7842
75	6597	6484	7330
85	4839	6378	7744

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**CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0.0	1666.956	1666.956	1666.956	1666.956	1666.956
0.5	1659.050	1665.375	1666.429	1665.902	1676.969
1.0	1659.050	1665.902	1665.902	1665.375	1676.442
1.5	1657.469	1665.902	1665.375	1664.848	1676.969
2.0	1656.942	1664.321	1665.375	1664.321	1675.388
2.5	1656.942	1664.321	1663.794	1663.794	1674.334
3.0	1655.361	1662.740	1662.740	1662.740	1673.280
3.5	1654.307	1661.159	1661.159	1661.686	1672.226
4.0	1653.253	1660.104	1660.104	1659.577	1671.172
4.5	1650.618	1658.523	1659.050	1658.523	1669.591
5.0	1649.037	1656.942	1656.942	1656.942	1668.010
5.5	1646.929	1654.834	1654.834	1655.361	1665.902
6.0	1645.875	1652.199	1652.726	1652.726	1663.794
6.5	1642.186	1650.091	1650.618	1650.618	1661.159
7.0	1640.078	1647.456	1647.983	1647.456	1659.050
7.5	1637.970	1644.294	1645.348	1645.348	1656.415
8.0	1635.335	1642.186	1642.186	1642.186	1652.726
8.5	1632.700	1638.497	1639.551	1639.551	1649.564
9.0	1628.483	1635.862	1636.389	1635.862	1645.875
9.5	1625.848	1632.173	1632.173	1632.173	1643.767
10.0	1621.632	1627.956	1627.956	1629.010	1639.551
10.5	1617.943	1624.267	1624.794	1624.794	1635.862
11.0	1614.254	1620.578	1621.105	1620.578	1631.646
11.5	1609.511	1616.362	1617.416	1616.362	1627.956
12.0	1605.295	1611.619	1612.673	1612.673	1623.213
12.5	1601.079	1606.876	1608.457	1607.403	1618.997
13.0	1596.335	1602.660	1603.714	1603.187	1614.254
13.5	1591.592	1597.389	1598.443	1598.443	1610.038
14.0	1585.795	1592.119	1593.173	1593.173	1604.241
14.5	1581.052	1586.849	1587.903	1587.903	1600.025
15.0	1576.309	1581.579	1582.106	1582.106	1593.700
15.5	1570.512	1575.255	1576.836	1576.836	1587.376
16.0	1564.187	1569.458	1571.039	1571.039	1582.106
16.5	1558.917	1563.133	1564.714	1565.241	1576.309
17.0	1551.539	1556.282	1558.390	1558.917	1569.985
17.5	1545.215	1549.958	1552.066	1552.593	1563.660
18.0	1539.418	1543.634	1545.215	1546.796	1557.863
18.5	1532.566	1537.309	1538.891	1539.945	1551.012
19.0	1525.715	1529.404	1532.039	1533.093	1543.634
19.5	1517.810	1523.080	1525.188	1527.296	1536.782
20.0	1509.378	1515.175	1517.810	1519.391	1529.404
20.5	1500.945	1508.323	1510.432	1512.540	1522.553
21.0	1494.094	1499.891	1501.472	1505.688	1515.175
21.5	1486.189	1491.986	1494.621	1496.729	1507.269
22.0	1477.756	1484.608	1487.243	1489.351	1500.418
22.5	1470.378	1475.121	1478.811	1481.973	1492.513
23.0	1461.419	1466.689	1470.378	1473.540	1484.081
23.5	1451.933	1457.730	1462.473	1465.635	1476.175
24.0	1442.446	1448.771	1453.514	1457.203	1467.743
24.5	1434.541	1439.811	1445.081	1448.244	1458.257
25.0	1425.582	1430.852	1436.649	1439.811	1449.825
25.5	1415.568	1421.893	1426.636	1431.379	1439.811
26.0	1406.082	1411.879	1418.204	1422.420	1431.906
26.5	1396.069	1401.866	1409.244	1412.933	1422.947

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**CANDELA TABULATION - (Cont.)**

27.0	1386.055	1391.326	1400.285	1405.028	1413.987
27.5	1374.461	1381.312	1390.272	1394.488	1405.028
28.0	1366.029	1371.299	1380.258	1385.001	1395.015
28.5	1354.961	1361.286	1370.245	1374.988	1385.001
29.0	1344.421	1350.745	1359.705	1365.502	1375.515
29.5	1333.354	1339.678	1349.164	1354.961	1364.975
30.0	1322.286	1329.138	1338.624	1346.002	1356.016
30.5	1310.692	1317.543	1328.611	1335.989	1345.475
31.0	1299.625	1306.476	1317.543	1325.448	1334.408
31.5	1288.030	1295.936	1307.003	1315.435	1324.921
32.0	1276.963	1283.814	1296.463	1304.368	1313.854
32.5	1264.842	1272.220	1285.395	1293.827	1303.314
33.0	1253.247	1261.152	1273.274	1283.287	1292.773
33.5	1242.180	1249.558	1262.733	1271.693	1281.706
34.0	1229.004	1237.437	1251.139	1261.152	1271.693
34.5	1216.883	1225.842	1240.072	1249.558	1260.098
35.0	1205.816	1213.194	1229.004	1239.018	1249.031
35.5	1191.586	1201.599	1216.883	1227.423	1237.437
36.0	1180.519	1188.951	1205.289	1215.829	1226.369
36.5	1166.816	1176.303	1193.167	1204.762	1215.829
37.0	1154.168	1164.181	1181.046	1192.640	1204.762
37.5	1140.992	1151.006	1169.451	1182.100	1192.640
38.0	1127.817	1138.357	1156.803	1169.978	1179.992
38.5	1114.115	1125.182	1144.682	1158.911	1168.397
39.0	1101.993	1112.006	1132.033	1146.790	1158.911
39.5	1088.291	1099.885	1119.912	1134.668	1146.263
40.0	1073.534	1086.183	1107.263	1123.601	1134.141
40.5	1059.832	1073.007	1095.142	1112.006	1122.547
41.0	1047.183	1059.832	1082.494	1099.885	1110.425
41.5	1033.481	1046.656	1069.845	1087.764	1098.831
42.0	1019.778	1033.481	1057.197	1076.169	1087.237
42.5	1006.603	1019.778	1044.021	1064.048	1075.115
43.0	991.847	1006.603	1031.900	1052.454	1063.521
43.5	979.198	992.901	1018.724	1040.332	1051.927
44.0	964.969	979.198	1005.549	1028.738	1039.805
44.5	951.793	966.023	992.374	1016.089	1027.684
45.0	938.091	952.320	979.725	1005.022	1016.616
45.5	924.388	939.145	967.077	993.428	1005.022
46.0	910.686	925.442	953.374	980.779	992.901
46.5	896.983	911.740	941.780	970.239	981.306
47.0	882.754	898.564	928.604	957.590	969.712
47.5	869.052	884.862	915.429	945.469	957.590
48.0	855.876	871.160	902.254	934.402	945.469
48.5	841.120	857.984	890.132	921.753	933.875
49.0	827.944	843.755	876.430	909.632	921.753
49.5	814.242	830.579	863.781	898.037	910.159
50.0	800.012	816.877	851.133	885.389	898.037
50.5	786.837	803.701	837.957	874.849	886.970
51.0	773.134	789.999	826.363	862.727	875.376
51.5	759.959	776.296	813.188	851.133	863.781
52.0	745.729	763.121	800.539	839.012	852.187
52.5	732.027	749.419	788.418	826.890	841.120
53.0	717.798	736.243	775.769	816.350	828.998
53.5	704.095	723.068	763.648	804.228	817.931
54.0	690.920	709.892	751.527	792.634	806.863
54.5	678.271	696.190	739.405	782.094	795.796

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**CANDELA TABULATION - (Cont.)**

55.0	665.096	683.541	727.284	769.972	785.783
55.5	654.028	670.366	715.162	758.905	773.661
56.0	641.380	658.772	703.568	747.838	762.594
56.5	628.205	646.650	691.447	736.770	752.054
57.0	615.556	634.529	679.852	725.703	740.986
57.5	602.381	621.880	669.839	715.162	728.865
58.0	589.205	609.232	658.245	703.568	719.906
58.5	576.557	596.584	646.650	693.555	709.365
59.0	563.909	583.935	635.583	684.595	698.298
59.5	551.260	571.814	625.570	673.528	689.866
60.0	538.612	559.165	614.502	662.988	679.325
60.5	526.227	547.044	603.435	652.974	668.785
61.0	513.789	534.923	592.367	642.961	658.772
61.5	501.457	522.907	581.300	632.948	649.285
62.0	489.336	510.996	570.760	623.461	639.272
62.5	477.372	499.191	559.692	613.975	629.786
63.0	465.251	487.438	549.152	603.962	621.353
63.5	453.235	475.844	539.139	594.476	611.867
64.0	441.535	464.408	528.598	584.462	602.381
64.5	429.888	453.235	518.585	574.976	592.894
65.0	418.346	442.009	508.519	565.490	583.935
65.5	406.963	431.047	498.558	556.003	574.449
66.0	395.421	420.085	488.703	546.517	565.490
66.5	384.143	409.387	478.901	537.558	556.530
67.0	373.128	398.794	469.151	528.071	547.571
67.5	362.061	388.359	459.612	519.217	538.612
68.0	351.152	378.188	450.125	510.258	530.179
68.5	340.400	368.069	440.850	501.562	521.378
69.0	329.702	358.056	431.680	492.814	513.051
69.5	319.162	348.253	422.615	484.329	504.777
70.0	308.674	338.609	413.709	476.002	496.556
70.5	298.450	329.070	404.802	467.675	488.440
71.0	288.331	319.636	396.053	459.454	480.429
71.5	278.318	310.413	387.516	451.443	472.524
72.0	268.515	301.138	378.978	443.485	464.829
72.5	258.660	292.178	370.651	435.685	457.188
73.0	249.068	283.272	362.377	427.991	449.493
73.5	239.740	274.471	354.366	420.349	442.009
74.0	230.517	265.933	346.250	412.971	434.473
74.5	221.453	257.343	338.503	405.645	427.358
75.0	212.441	248.963	330.809	398.478	420.454
75.5	203.587	240.794	323.220	391.363	413.445
76.0	194.996	232.784	315.841	384.301	406.594
76.5	186.459	224.878	308.516	377.397	399.743
77.0	178.026	217.026	301.296	370.546	393.102
77.5	169.752	209.384	294.181	363.905	386.514
78.0	161.584	201.900	287.277	357.370	380.032
78.5	153.573	194.522	280.426	350.783	373.603
79.0	145.720	187.355	273.785	344.406	367.278
79.5	137.920	180.240	267.250	338.187	360.954
80.0	130.226	173.231	260.715	332.021	354.946
80.5	122.742	166.432	254.391	325.802	348.833
81.0	115.469	159.739	248.331	319.794	342.877
81.5	108.091	153.204	242.270	313.839	336.922
82.0	100.977	146.827	236.367	308.094	331.178
82.5	94.020	140.556	230.570	302.350	325.539

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**CANDELA TABULATION - (Cont.)**

83.0	87.169	134.442	224.878	296.816	320.058
83.5	80.370	128.487	219.450	291.177	314.366
84.0	73.730	122.690	214.180	285.854	308.938
84.5	67.142	117.103	209.015	280.584	303.615
85.0	60.818	111.675	203.956	275.367	298.292
85.5	54.494	106.510	199.002	270.307	293.127
86.0	48.275	101.556	194.153	265.353	288.015
86.5	42.109	96.918	189.568	260.399	282.903
87.0	36.048	92.439	184.930	255.709	277.896
87.5	29.987	88.275	180.556	250.966	273.100
88.0	23.979	84.217	176.235	246.381	268.252
88.5	17.919	80.423	172.071	241.848	263.561
89.0	12.385	76.839	168.119	237.474	258.924
89.5	7.853	73.519	164.271	233.258	254.391
90.0	4.690	70.568	160.740	229.253	250.228
90.5	3.320	67.985	157.473	225.247	245.801
91.0	3.531	65.614	154.153	221.189	241.585
91.5	4.216	63.347	150.832	217.342	237.369
92.0	5.007	61.450	147.670	213.442	233.258
92.5	5.850	59.816	144.982	209.700	229.200
93.0	6.693	58.394	142.189	206.169	225.300
93.5	7.589	57.287	139.554	202.691	221.611
94.0	8.538	56.338	137.077	199.423	218.027
94.5	9.434	55.653	134.758	196.103	214.338
95.0	10.330	55.126	132.598	192.836	210.807
95.5	11.173	54.757	130.595	189.726	207.329
96.0	11.858	54.599	128.856	186.722	203.903
96.5	12.543	54.599	127.117	183.929	200.741
97.0	13.175	54.652	125.536	181.241	197.579
97.5	13.861	54.863	124.060	178.659	194.680
98.0	14.440	55.073	122.742	176.129	191.729
98.5	15.125	55.337	121.636	173.705	188.988
99.0	15.811	55.653	120.476	171.439	186.301
99.5	16.548	56.022	119.475	169.278	183.666
100.0	17.181	56.391	118.684	167.275	181.294
100.5	17.919	56.812	117.894	165.325	178.870
101.0	18.551	57.234	117.314	163.481	176.709
101.5	19.183	57.656	116.734	161.742	174.495
102.0	19.763	58.077	116.313	160.108	172.545
102.5	20.343	58.499	115.891	158.580	170.595
103.0	20.923	58.973	115.575	157.051	168.856
103.5	21.555	59.448	115.311	155.734	167.064
104.0	22.240	59.869	115.048	154.521	165.431
104.5	22.925	60.343	114.890	153.362	163.902
105.0	23.558	60.818	114.732	152.308	162.427
105.5	24.137	61.239	114.574	151.201	161.162
106.0	24.823	61.766	114.521	150.253	159.897
106.5	25.455	62.241	114.521	149.357	158.632
107.0	26.087	62.768	114.521	148.513	157.578
107.5	26.667	63.189	114.521	147.881	156.471
108.0	27.405	63.716	114.521	147.143	155.365
108.5	28.090	64.243	114.574	146.616	154.627
109.0	28.775	64.665	114.679	145.931	153.889
109.5	29.513	65.139	114.732	145.457	153.099
110.0	30.251	65.614	114.837	144.930	152.466
110.5	30.989	66.088	114.942	144.455	151.886

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**CANDELA TABULATION - (Cont.)**

111.0	31.726	66.562	114.995	144.034	151.254
111.5	32.464	66.984	115.048	143.718	150.727
112.0	33.255	67.458	115.153	143.401	150.095
112.5	34.045	67.933	115.259	143.032	149.515
113.0	34.889	68.407	115.417	142.769	149.251
113.5	35.679	68.828	115.417	142.505	148.882
114.0	36.522	69.250	115.522	142.295	148.513
114.5	37.313	69.724	115.628	142.031	148.197
115.0	38.156	70.093	115.733	141.873	147.934
115.5	38.999	70.568	115.733	141.715	147.670
116.0	39.790	70.989	115.891	141.504	147.354
116.5	40.528	71.411	115.997	141.293	147.249
117.0	41.371	71.885	116.102	141.293	146.985
117.5	42.161	72.254	116.207	141.083	146.827
118.0	42.847	72.623	116.313	140.977	146.616
118.5	43.637	72.992	116.365	140.819	146.564
119.0	44.322	73.361	116.471	140.661	146.247
119.5	45.060	73.624	116.576	140.503	146.195
120.0	45.745	73.888	116.524	140.397	145.931
120.5	46.430	74.204	116.576	140.187	145.878
121.0	47.115	74.415	116.682	140.028	145.668
121.5	47.853	74.678	116.629	139.818	145.562
122.0	48.538	74.995	116.629	139.712	145.404
122.5	49.223	75.311	116.682	139.501	145.035
123.0	49.909	75.627	116.629	139.291	144.982
123.5	50.541	75.890	116.524	139.133	144.666
124.0	51.068	76.101	116.524	138.974	144.614
124.5	51.595	76.312	116.524	138.711	144.403
125.0	52.122	76.576	116.418	138.447	144.192
125.5	52.649	76.734	116.313	138.289	143.928
126.0	53.123	76.945	116.260	137.973	143.718
126.5	53.545	77.208	116.155	137.762	143.560
127.0	54.019	77.313	116.049	137.499	143.349
127.5	54.388	77.472	115.891	137.235	142.980
128.0	54.863	77.472	115.838	136.919	142.769
128.5	55.231	77.577	115.628	136.656	142.558
129.0	55.600	77.682	115.417	136.392	142.295
129.5	55.917	77.840	115.048	135.970	141.978
130.0	56.180	77.946	114.679	135.707	141.662
130.5	56.444	78.051	114.257	135.391	141.293
131.0	56.602	78.209	113.836	134.916	140.924
131.5	56.812	78.367	113.414	134.495	140.556
132.0	57.023	78.526	112.940	134.231	140.239
132.5	57.129	78.578	112.413	133.704	139.765
133.0	57.287	78.631	112.202	133.230	139.185
133.5	57.339	78.578	111.886	132.861	138.922
134.0	57.392	78.473	111.675	132.439	138.553
134.5	57.550	78.262	111.411	131.965	137.868
135.0	57.708	78.104	111.095	131.333	137.341
135.5	57.656	77.682	110.832	130.911	136.919
136.0	57.761	77.630	110.463	130.384	136.392
136.5	57.866	77.472	110.199	129.804	135.865
137.0	57.919	77.208	109.778	129.330	135.285
137.5	57.972	76.945	109.409	128.698	134.758
138.0	58.077	76.786	108.882	128.171	134.126
138.5	58.077	76.576	108.197	127.591	133.652

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

139.0	58.025	76.418	107.406	126.906	132.914
139.5	58.025	76.207	106.457	126.168	132.387
140.0	58.025	75.943	105.403	125.483	131.649
140.5	58.025	75.785	104.455	124.640	130.858
141.0	58.025	75.680	103.401	123.744	130.226
141.5	58.025	75.469	102.347	122.953	129.594
142.0	57.972	75.363	101.345	121.952	128.908
142.5	57.919	75.205	100.291	121.056	128.118
143.0	57.866	75.047	99.290	120.213	127.327
143.5	57.866	74.836	98.131	119.317	126.590
144.0	57.866	74.573	97.129	118.632	125.746
144.5	58.025	74.362	96.128	117.841	125.009
145.0	58.235	74.151	95.021	117.156	124.165
145.5	58.604	73.888	94.020	116.471	123.322
146.0	59.079	73.677	93.071	115.733	122.532
146.5	59.553	73.466	92.281	114.942	121.636
147.0	60.027	73.203	91.385	114.152	120.740
147.5	60.449	73.097	90.700	113.361	119.844
148.0	60.923	72.886	89.962	112.465	118.895
148.5	61.345	72.834	89.382	111.622	117.946
149.0	61.872	72.834	88.750	110.779	117.103
149.5	62.241	72.992	88.170	109.883	116.049
150.0	62.662	73.097	87.590	109.040	114.942
150.5	63.031	73.150	86.958	108.091	113.783
151.0	63.295	73.308	86.115	107.143	112.413
151.5	63.558	73.361	85.219	106.141	111.148
152.0	63.874	73.466	84.375	105.087	109.883
152.5	64.191	73.572	83.585	103.981	108.513
153.0	64.402	73.624	82.742	102.716	107.406
153.5	64.665	73.782	81.846	101.398	106.141
154.0	64.876	73.730	81.055	99.922	105.087
154.5	65.139	73.782	80.370	98.500	104.033
155.0	65.245	73.888	79.685	96.866	103.243
155.5	65.456	73.941	79.000	95.337	102.399
156.0	65.614	73.941	78.526	93.704	101.662
156.5	65.877	73.941	78.051	92.070	100.713
157.0	65.983	74.046	77.577	90.594	99.817
157.5	66.141	74.046	77.261	89.171	98.816
158.0	66.351	73.993	77.103	87.696	97.867
158.5	66.404	73.993	76.892	86.484	96.760
159.0	66.668	73.835	76.734	85.324	95.812
159.5	66.878	73.730	76.470	84.217	94.758
160.0	67.142	73.624	76.207	83.321	93.704
160.5	67.458	73.572	75.996	82.478	92.702
161.0	67.669	73.414	75.943	81.582	91.701
161.5	67.985	73.361	75.838	80.686	90.963
162.0	68.249	73.255	75.996	79.949	90.331
162.5	68.512	73.255	76.101	79.158	89.593
163.0	68.828	73.203	76.154	78.315	88.961
163.5	69.092	73.203	76.259	77.419	88.170
164.0	69.197	73.203	76.365	76.312	87.432
164.5	69.355	73.097	76.259	75.469	86.484
165.0	69.514	73.097	76.101	74.626	85.535
165.5	69.672	73.045	75.943	74.046	84.534
166.0	69.830	72.992	75.838	73.414	83.005
166.5	69.988	72.992	75.680	72.886	82.267

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES**

**CANDELA TABULATION - (Cont.)**

167.0	70.199	72.992	75.522	72.412	81.688
167.5	70.304	72.992	75.205	71.991	81.108
168.0	70.462	72.992	74.942	71.569	80.634
168.5	70.778	72.781	74.573	71.200	80.054
169.0	70.937	72.834	74.309	70.831	79.474
169.5	71.200	72.676	73.888	70.410	78.842
170.0	71.305	72.623	73.519	69.882	78.262
170.5	71.464	72.518	73.045	69.303	77.630
171.0	71.569	72.412	72.518	68.670	76.839
171.5	71.727	72.412	72.043	68.091	76.207
172.0	71.991	72.307	71.780	67.511	75.258
172.5	72.149	72.307	71.464	66.878	74.204
173.0	72.359	72.201	71.200	66.299	72.412
173.5	72.623	72.254	71.095	65.719	69.724
174.0	72.834	72.254	71.042	65.245	66.404
174.5	72.992	72.254	70.937	64.770	62.452
175.0	73.308	72.412	70.884	64.402	57.972
175.5	73.414	72.465	70.831	64.243	53.281
176.0	73.624	72.570	70.831	64.085	50.225
176.5	73.677	72.623	70.778	64.085	48.064
177.0	73.888	72.728	70.673	63.927	45.851
177.5	73.941	72.728	70.515	63.874	45.376
178.0	74.151	72.834	70.462	63.822	45.482
178.5	74.257	72.886	70.515	63.716	45.587
179.0	74.362	72.886	70.462	63.558	45.640
179.5	74.468	72.886	70.410	63.506	45.692
180.0	66.773	66.773	66.773	66.773	66.773



**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES**

**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	603.37	N.A.	11.70
0-30	1264.26	N.A.	24.50
0-40	2030.86	N.A.	39.40
0-60	3436.97	N.A.	66.70
0-80	4281.85	N.A.	83.10
0-90	4494.33	N.A.	87.30
10-90	4337.03	N.A.	84.20
20-40	1427.49	N.A.	27.70
20-50	2182.4	N.A.	42.40
40-70	1906.98	N.A.	37.00
60-80	844.88	N.A.	16.40
70-80	344.00	N.A.	6.70
80-90	212.49	N.A.	4.10
90-110	248.18	N.A.	4.80
90-120	352.67	N.A.	6.80
90-130	448.83	N.A.	8.70
90-150	589.23	N.A.	11.40
90-180	656.35	N.A.	12.70
110-180	408.16	N.A.	7.90
0-180	5150.68	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	157.30
10-20	446.07
20-30	660.89
30-40	766.60
40-50	754.91
50-60	651.19
60-70	500.88
70-80	344.00
80-90	212.49
90-100	136.14
100-110	112.04
110-120	104.48
120-130	96.16
130-140	80.81
140-150	59.59
150-160	38.96
160-170	21.47
170-180	6.69

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES**

**COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD**

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	105	100	95	91	101	96	92	89	90	86	83	84	81	79	78	76	74	71
2	95	87	80	74	92	84	78	72	78	73	69	73	69	65	68	65	62	59
3	87	76	68	62	83	74	66	60	69	63	58	65	60	55	61	56	53	50
4	80	68	59	52	76	66	58	51	62	55	49	58	52	47	54	49	45	43
5	73	61	52	45	70	59	51	44	55	48	43	52	46	41	49	44	40	37
6	68	55	46	40	65	53	45	39	50	43	38	47	41	36	44	39	35	33
7	63	50	41	35	60	48	40	34	46	38	33	43	37	32	41	35	31	29
8	59	45	37	31	56	44	36	31	42	35	30	40	33	29	37	32	28	26
9	55	42	34	28	53	41	33	28	38	32	27	36	30	26	35	29	25	23
10	51	38	31	25	49	37	30	25	36	29	24	34	28	24	32	27	23	21

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : 75W-4-L50-850-HE-DIM-UNV\_.IES**

**UGR TABLE - CORRECTED**

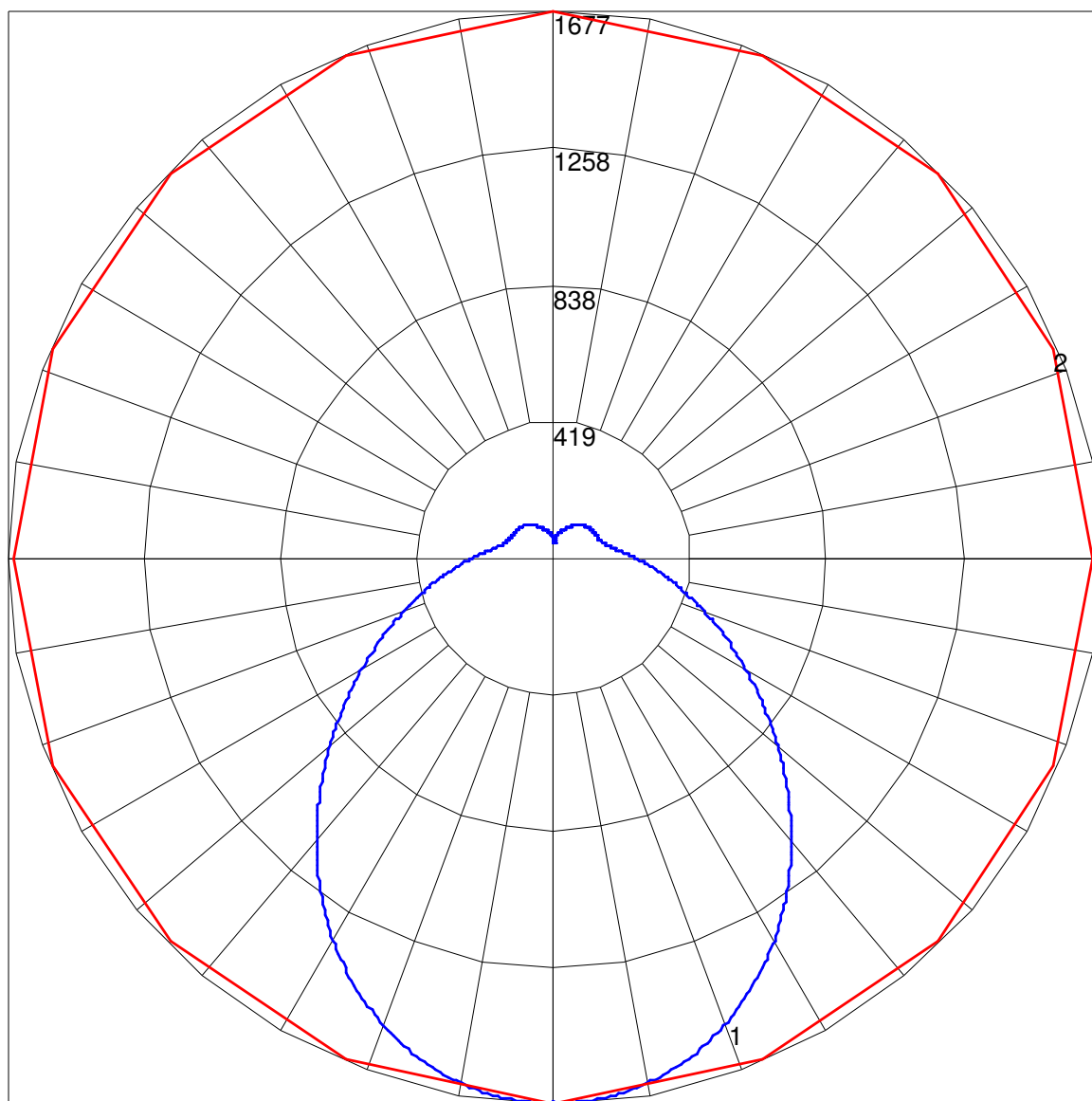
Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size		UGR Viewed Crosswise					UGR Viewed Endwise				
X=2H	Y=2H	17.5	18.9	18.1	19.4	20.0	19.2	20.5	19.7	21.1	21.7
	3H	18.9	20.1	19.4	20.7	21.3	21.4	22.6	21.9	23.2	23.8
	4H	19.3	20.5	19.9	21.1	21.7	22.4	23.6	23.0	24.2	24.9
	6H	19.6	20.7	20.2	21.3	22.0	23.6	24.6	24.2	25.2	25.9
	8H	19.7	20.7	20.3	21.3	22.0	24.1	25.2	24.8	25.8	26.5
	12H	19.7	20.7	20.3	21.3	22.0	24.8	25.8	25.4	26.4	27.1
4H	2H	18.2	19.4	18.8	20.0	20.7	19.6	20.7	20.2	21.3	22.0
	3H	19.8	20.8	20.4	21.4	22.1	22.0	23.0	22.6	23.6	24.3
	4H	20.4	21.3	21.0	21.9	22.7	23.3	24.1	23.9	24.8	25.5
	6H	20.8	21.6	21.5	22.3	23.0	24.6	25.4	25.2	26.0	26.8
	8H	20.9	21.7	21.6	22.3	23.1	25.3	26.0	25.9	26.7	27.4
	12H	21.0	21.7	21.7	22.4	23.1	26.1	26.7	26.7	27.4	28.2
8H	4H	21.0	21.7	21.6	22.4	23.1	23.4	24.2	24.1	24.8	25.6
	6H	21.6	22.2	22.2	22.9	23.6	25.0	25.6	25.6	26.3	27.0
	8H	21.8	22.3	22.4	23.0	23.8	25.8	26.4	26.5	27.1	27.8
	12H	21.9	22.4	22.6	23.1	23.9	26.8	27.3	27.5	28.0	28.8
12H	4H	21.1	21.8	21.8	22.5	23.2	23.4	24.1	24.1	24.8	25.6
	6H	21.8	22.4	22.5	23.1	23.9	25.0	25.6	25.7	26.2	27.0
	8H	22.1	22.6	22.8	23.3	24.1	25.9	26.4	26.6	27.1	27.9

Maximum UGR = 28.8

POLAR GRAPH



Maximum Candela = 1676.969 Located At Horizontal Angle = 90, Vertical Angle = .5  
# 1 - Vertical Plane Through Horizontal Angles (90 - 270) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (.5) (Through Max. Cd.)